

Title (en)

STRUCTURE FOR ATTACHING ELECTRIC DEVICE TO RAIL

Title (de)

STRUKTUR ZUM ANBRINGEN EINER ELEKTRISCHEN VORRICHTUNG AN EINE SCHIENE

Title (fr)

STRUCTURE POUR FIXATION D'UN DISPOSITIF ÉLECTRIQUE À UN RAIL

Publication

EP 2469563 A4 20131211 (EN)

Application

EP 10809683 A 20100614

Priority

- JP 2009190588 A 20090820
- JP 2010003937 W 20100614

Abstract (en)

[origin: EP2469563A1] First fitting portions (9a and 9b) and second fitting portions (9c and 9d) are provided in a hook shape on the bottom (3a) of a housing so as to face each other. The first fitting portions are fitted to one rail edge (2a) of a rail (2) in the width direction and the second fitting portions are fitted to the other rail edge (2b) of the rail. A linear spring (10) that is bent in a mountain shape is provided on the bottom of the housing. The linear spring comes into contact with the end surface of the one rail edge to which the first fitting portions are fitted and is elastically deformed such that the inclination angle of the maintain is reduced. The urging force of the linear spring is applied to the rail such that the other rail edge is pressed by the second fitting portions.

IPC 8 full level

H02B 1/052 (2006.01); **H01H 45/04** (2006.01); **H05K 7/12** (2006.01)

CPC (source: EP US)

H02B 1/052 (2013.01 - EP US)

Citation (search report)

- [X] EP 0883209 A1 19981209 - ROCKWELL AUTOMATION AG [CH]
- [X] DE 29806323 U1 19980820 - LEBER DIETER DIPL ING [DE]
- [X] JP 2005276884 A 20051006 - FUJI ELEC FA COMPONENTS & SYS
- [X] JP S54179457 U 19791219
- [A] FR 2861903 A1 20050506 - SCHNEIDER ELECTRIC IND SAS [FR]
- See references of WO 2011021335A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

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